

- 12 -

WHAT IS CLAIMED IS:

1. A non-woven fabric wherein the fabric consists essentially of substantially parallel warp-direction yarns supported and bonded on one side by an adhesive coating, said adhesive coating having a thickness of from about 0.25 mil to about 1 mil.

2. A non-woven fabric wherein the fabric consists essentially of substantially parallel warp-direction yarns supported and bonded on one side by an adhesive coating, said adhesive having been coated on one side of said fibers at a level of from about 5 weight percent to about 25 weight percent, based upon the weight of the fabric.

3. The non-woven fabric of claim 2, wherein the fabric weight is about 50 g/m² and the adhesive coating has weight of about 2 to 15 g/m².

4. The non-woven fabric of claim 2, wherein the fabric weight is about 50 g/m² and the adhesive coating has weight of about 5 to 10 g/m².

5. The non-woven fabric of claim 1 or 2, wherein the yarns are selected from the group consisting of polymer fibers, natural fibers, synthetic fibers, composite fibers, carbon fibers, glass fibers and metallic fibers.

6. The non-woven fabric of claim 5, wherein the polymer fibers are selected from the group consisting of polyester, polyethylene, polypropylene, and nylon fibers.

7. The non-woven fabric of claim 5, wherein the natural fibers are selected from the group consisting of cotton fibers, rayon fibers, and wool fibers.

8. The non-woven fabric of claim 5, wherein the fibers are glass fibers.

- 13 -

9. The non-woven fabric of claim 5, wherein the fibers are metal fibers, selected from the group consisting of copper, gold, aluminum, silver, and platinum.

10 The non-woven fabric of claim 1 or 2, wherein the adhesive coating is applied to the yarns by dip/nip saturation, spraying, gravure coating, or kiss coating.

11. A method of forming a non-woven fibrous web, said method comprising the steps of:

- a. forming a substantially parallel array of yarns, said array of yarns having two sides, a top side and a bottom side;
- b. contacting one side of said parallel array of yarns with a thin coating of wet or molten adhesive; and
- c. drying the wet or molten adhesive coating to form a cohesive web of non-woven parallel yarns.

12. A non-woven fibrous web made according to the method of claim 11.

13. The method of claim 11, wherein the adhesive coating is applied to the fibrous web by dip/nip saturation, spraying, gravure coating, or kiss coating.

14. The method of claim 11, wherein the fibers are selected from the group consisting of polymer fibers, natural fibers, synthetic fibers, composite fibers, carbon fibers, glass fibers and metallic fibers.

15. The method of claim 14, wherein the polymer fibers are selected from the group consisting of polyester, polyethylene, polypropylene, and nylon fibers.

16. The method of claim 14, wherein the natural fibers are selected

from the group consisting of cotton fibers, rayon fibers, and wool fibers.

17. The method of claim 14, wherein the fibers are glass fibers.
18. The method of claim 14, wherein the fibers are metal fibers, selected from the group consisting of copper, gold, aluminum, silver, and platinum.